

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012745.D
 Acq On : 13 Sep 2019 23:35
 Operator : SY/MD
 Sample : K4868-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0MK5

Quant Time: Sep 14 02:17:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 14 00:58:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	771450	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	708960	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	260011	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	197106	45.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.16%
7) Chloroethane-d5	1.58	69	190750	48.75	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.50%
11) 1,1-Dichloroethene-d2	2.13	63	301960	35.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.02%
21) 2-Butanone-d5	3.92	46	472303	104.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.17%
24) Chloroform-d	4.40	84	518379	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
26) 1,2-Dichloroethane-d4	5.08	65	329740	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
32) Benzene-d6	5.10	84	972902	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
36) 1,2-Dichloropropane-d6	6.12	67	348304	52.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.36%
41) Toluene-d8	7.36	98	847580	48.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.94%
43) trans-1,3-Dichloropropene-	7.66	79	137931	49.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.18%
47) 2-Hexanone-d5	8.13	63	243823	95.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	407614	47.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.46%
64) 1,2-Dichlorobenzene-d4	11.67	152	334581	56.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.76%

Target Compounds

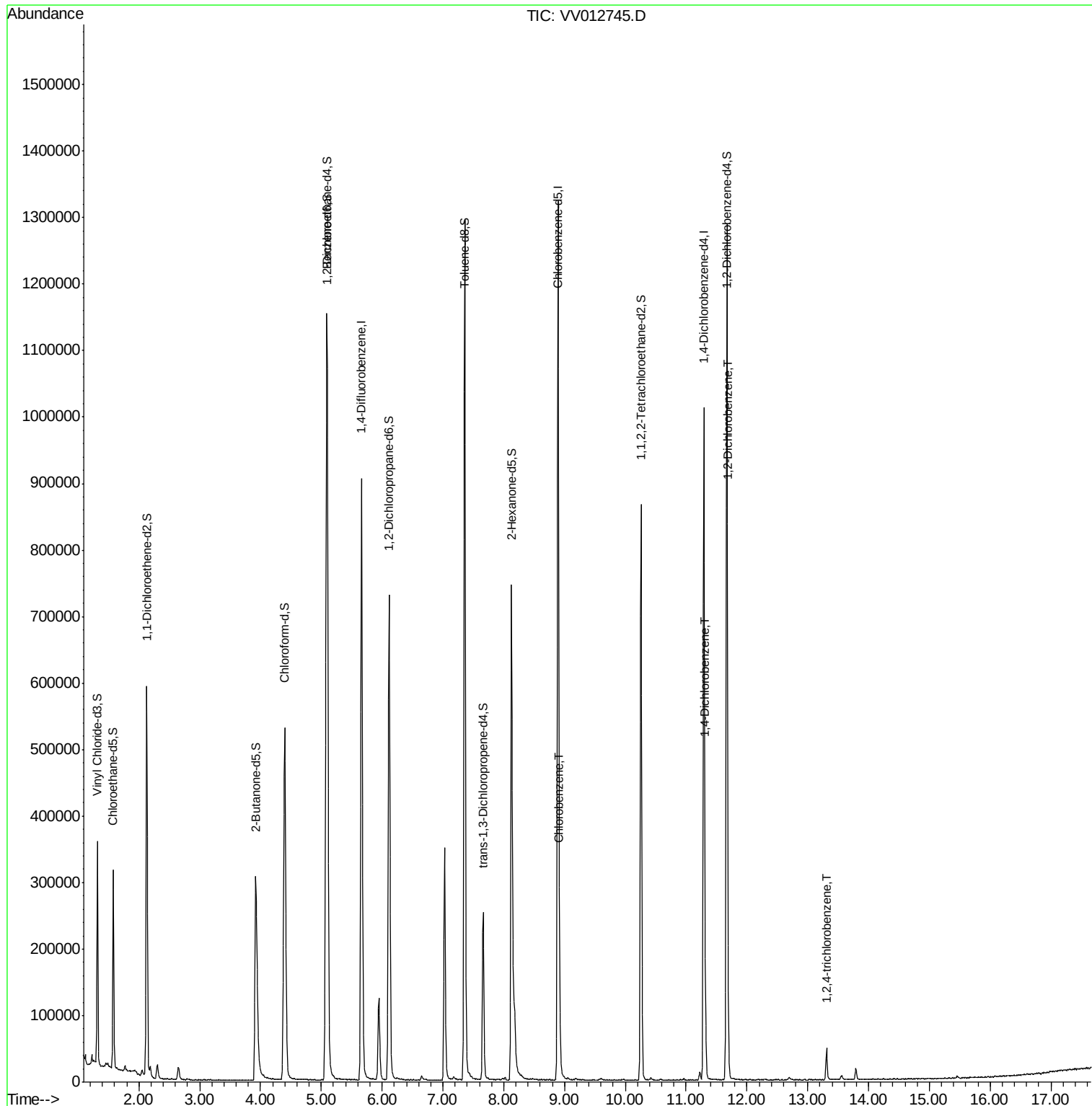
					Ovalue
51) Chlorobenzene	8.92	112	37570	2.738 ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	40199	4.880 ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	35118	4.159 ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	15663	3.124 ug/L	96

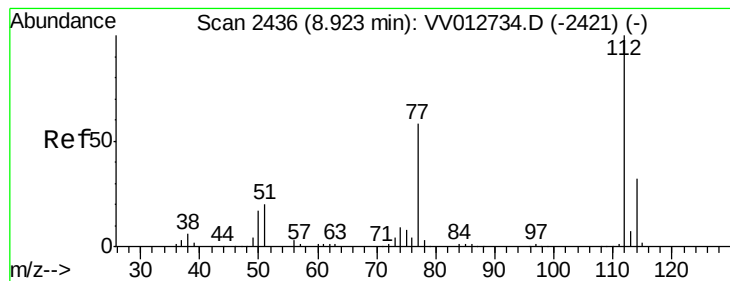
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#51

Chlorobenzene

Concen: 2.738 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012745.D

Acq: 13 Sep 2019 23:35

Instrument :

MSVOA_V

ClientSampled :

COMK5

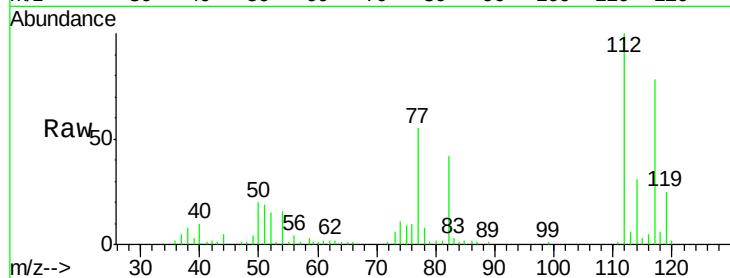
Tot Ion:112 Resp: 37570

Ion Ratio Lower Upper

112 100

114 31.1 22.4 41.6

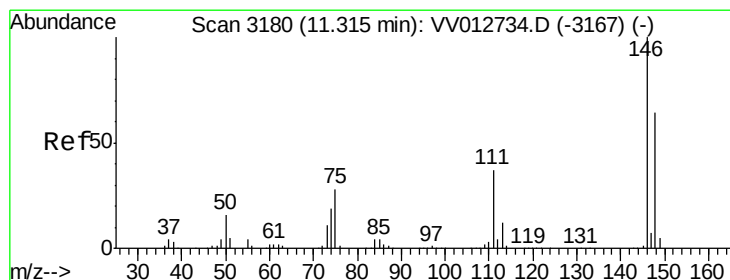
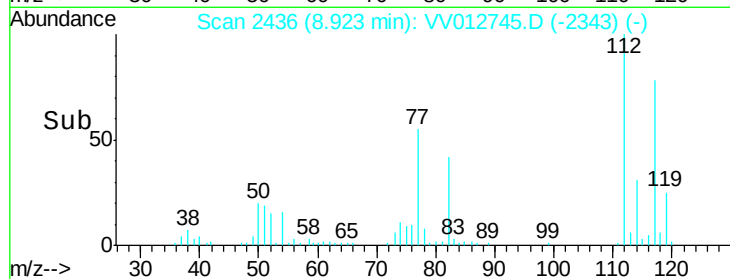
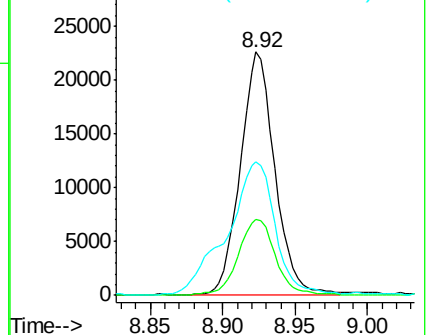
77 54.7 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#63

1,4-Dichlorobenzene

Concen: 4.880 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012745.D

Acq: 13 Sep 2019 23:35

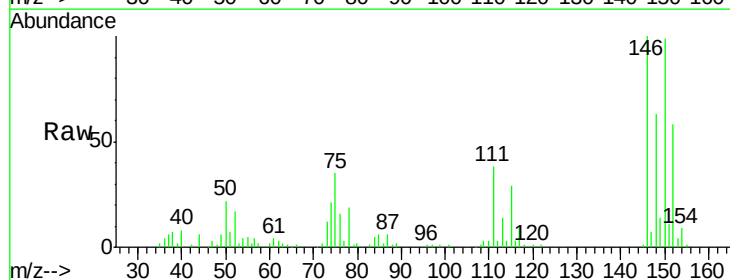
Tgt Ion:146 Resp: 40199

Ion Ratio Lower Upper

146 100

111 37.8 26.2 48.8

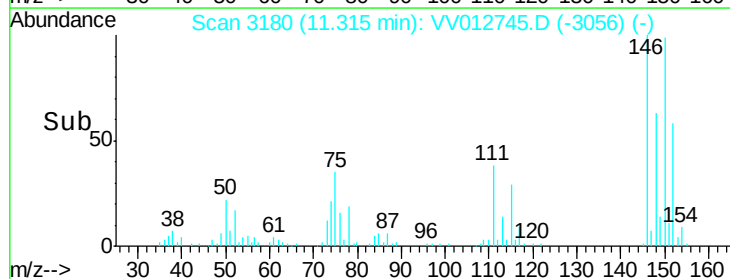
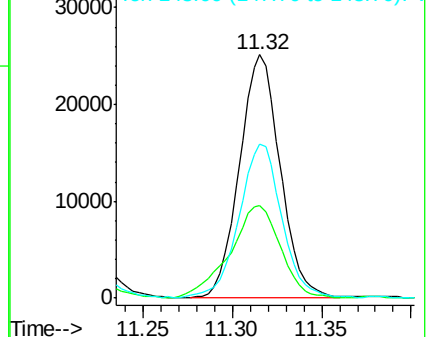
148 63.3 45.0 83.6

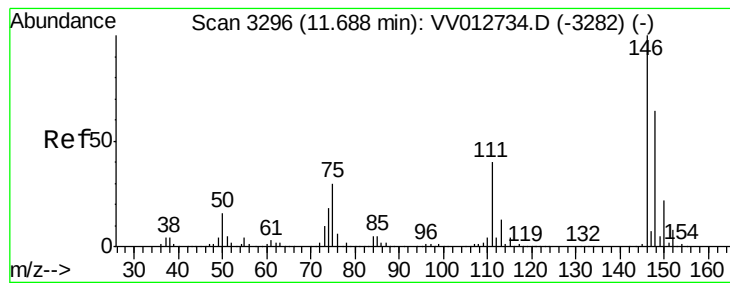


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.159 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012745.D

Acq: 13 Sep 2019 23:35

Instrument :

MSVOA_V

ClientSampled :

COMK5

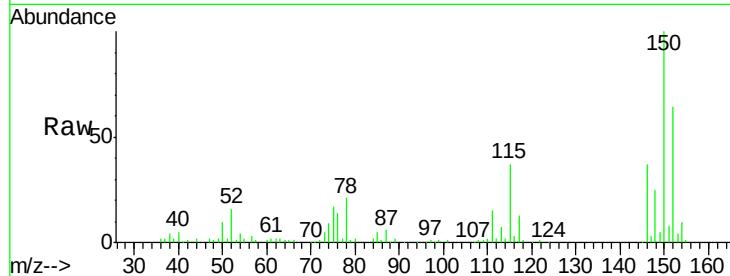
Tot Ion:146 Resp: 35118

Ion Ratio Lower Upper

146 100

111 41.5 32.2 48.2

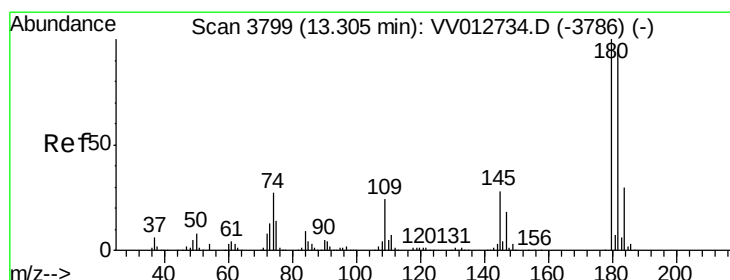
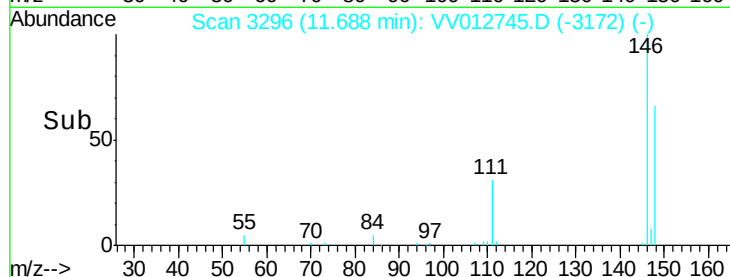
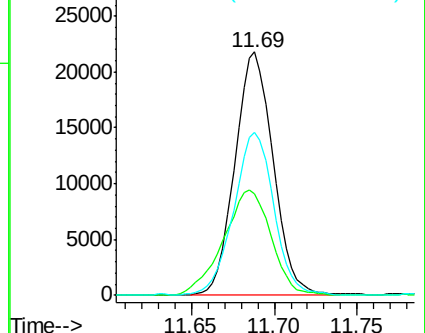
148 67.2 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 3.124 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV012745.D

Acq: 13 Sep 2019 23:35

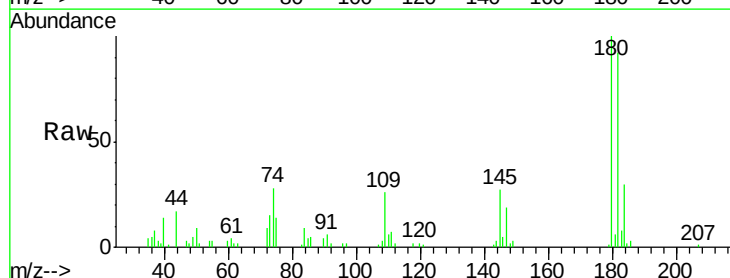
Tgt Ion:180 Resp: 15663

Ion Ratio Lower Upper

180 100

182 90.9 76.8 115.2

145 28.2 23.0 34.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

